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Amdt. Dated June 7, 2004
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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 cancelled.

2. (New) An agonist analog of amylin having the sequence des-¹Lys²⁵Pro²⁶Val^{28,29}Pro-h-amylin.
3. (New) The agonist analog of amylin of claim 2 as an acetate salt.
4. (New) The agonist analog of amylin of claim 2 as a trifluoroacetate salt.
5. (New) The agonist analog of amylin of claim 2 as a hydrochloride salt.
6. (New) A method of treating diabetes mellitus in a mammal comprising administering the agonist analog of amylin of claim 2 to the mammal.
7. (New) A method of treating diabetes mellitus in a mammal comprising administering the agonist analog of amylin of claim 3 to the mammal.
8. (New) A method of treating diabetes mellitus in a mammal comprising administering the agonist analog of amylin of claim 4 to the mammal.
9. (New) A method of treating diabetes mellitus in a mammal comprising administering the agonist analog of amylin of claim 5 to the mammal.
10. (New) The method of claim 6 comprising administration of insulin.
11. (New) A composition comprising a therapeutically effective amount of the agonist analog of amylin of claim 2 admixed with insulin.

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